AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated hereafter.

Claims:

1. (Currently Amended) A method for processing data in a wireless communication network, comprising:

receiving at least one electronic message having at least one attachment associated therewith at a gateway for the wireless communication network, the gateway interfacing with at least one other communication network that uses different protocols, wherein delivery of the electronic message having at least one attachment is limited by available bandwidth in the wireless communication network, the wireless communication network selectively denying transmission of attachments of electronic messages based unilaterally on message characteristics in recognition of the limited available bandwidth in the wireless communication network;

associating identifying indicia with each attachment in accordance with attachment file type and at least one additional characteristic of said attachment; and

determining whether to transmit each attachment, in a push operation, to a recipient of said message based on said identifying indicia of a respective attachment in recognition of limited available bandwidth in the wireless communication network.

2. (Original) The method of Claim 1, further comprising transmitting at least a portion of said message to a wireless application of said recipient in accordance with said determining step.

3. (Original) The method of Claim 2, wherein said transmitting portion includes an indicia tag having at least a portion of said identifying indicia located therein.

4. (Original) The method of Claim 3, wherein said indicia tag includes a unique identifier associated with said message.

5. (Original) The method of Claim 2, wherein said transmitted portion includes clear text.

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6. (Original) The method of Claim 1, further comprising stripping at least a portion of said message in accordance with said determining step.

7. (Original) The method of Claim 6, wherein said stripping step further includes stripping said attachment from said message.

8. (Original) The method of Claim 7, further comprising storing said attachment after stripping said attachment.

9. (Original) The method of Claim 1, further comprising receiving said message through a connection to the Internet.

10. (Original) The method of Claim 1, further comprising receiving said message from a wireless data network.

11. (Original) The method of Claim 1, wherein at least one said characteristic is a file size of said attachment.

12. (Original) The method of Claim 1, wherein said identifying indicia include gateway identifying information.

13. (Original) The method of Claim 1, further comprising transmitting said portion of said message through a wireless data network.

14. (Original) The method of Claim 13, further comprising transmitting said portion of said message through a wireless data network to a wireless application.

15. (Original) The method of Claim 14, wherein said wireless application is selected from the group consisting of a pager, a personal digital assistant, a wireless telephone, a wireless computer, a digital camera, and a digital camera including a self-contained web-cam.

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16. (Original) The method of Claim 1, further comprising transmitting said portion of said message to said recipient and incorporating in said message portion an indication of one or more attachments stripped from said message.

17. (Original) The method of Claim 16, further comprising determining further processing of at least one of said stripped attachments.

18. (Original) The method of Claim 17, wherein said further processing includes processing at least one of said stripped attachments in a subsystem.

19. (Original) The method of Claim 18, wherein said subsystem includes an apparatus selected from the group consisting of a computer, a fax machine, a database, a telephone, and a printer.

20. (Currently Amended) A system for processing data in a wireless communication network, comprising:

means for receiving at least one electronic message having at least one attachment associated therewith at a gateway for the wireless communication network, the gateway interfacing with at least one other communication network that uses different protocols, wherein delivery of the electronic message having at least one attachment is limited by available bandwidth in the wireless communication network, the wireless communication network selectively denying transmission of attachments of electronic messages based unilaterally on message characteristics in recognition of limited available bandwidth in the wireless communication network;

means for associating identifying indicia with each attachment in accordance with attachment file type and at least one additional characteristic of said attachment; and

means for determining whether to transmit each attachment, in a push operation, to a recipient of said message at a network address based on said identifying indicia of a respective attachment in recognition of limited available bandwidth in the wireless communication network.

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21. (Original) The system of Claim 20, further comprising means for transmitting at least a portion of said message to a wireless application of said recipient in accordance with said determining step.

22. (Original) The system of Claim 21, wherein said transmitted portion includes clear text.

23. (Currently Amended) A computer-readable medium containing instructions for controlling a computer system to perform a method in a wireless communication environment, said method comprising:

receiving at least one electronic message having at least one attachment associated therewith <u>at a gateway for the wireless communication network, the gateway interfacing with at least one other communication network that uses different protocols</u>, wherein delivery of the electronic message having at least one attachment is limited by available bandwidth in the wireless communication network, the wireless communication network selectively denying transmission of attachments of electronic messages <u>based unilaterally on message characteristics</u> in recognition of limited available bandwidth in the wireless communication network;

associating identifying indicia with each attachment in accordance with attachment file type and at least one additional characteristic of said attachment; and

determining whether to transmit each attachment, in a push operation, to a recipient of said message based on said identifying indicia of a respective attachment in recognition of limited available bandwidth in the wireless communication network.

24. (Original) The medium of Claim 23, further comprising transmitting at least a portion of said message to a wireless application of said recipient in accordance with said determining step.

25. (Original) The medium of Claim 24, wherein said transmitted portion includes clear text.

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26. (Currently Amended) A system for processing an electronic message having at least one attachment associated therewith in a wireless communication network, said system comprising:

a gateway of the wireless communication network structured with an internal network to receive electronic messages from at least one source, wherein delivery of the electronic message having at least one attachment is limited by available bandwidth in the wireless communication network, the wireless communication network selectively denying transmission of attachments of electronic messages based unilaterally on message characteristics in recognition of limited available bandwidth in the wireless communication network;

said gateway structured to identify each attachment of said electronic message with an indicia tag representative of attachment type and at least one additional characteristic of said attachment; and,

said gateway structured to transmit, in a push operation, at least a portion of each of said electronic messages to a recipient of said message in recognition of limited available bandwidth in the wireless communication network and in accordance with said indicia tag, wherein said transmitted portion includes at least clear text and said gateway interfaces with at least one other communication network that uses different protocols.

27. (Original) The system of Claim 26, further comprising at least one mail router for receiving said electronic messages from the Internet.

28. (Original) The system of Claim 27, wherein at least one of said mail routers is structured to handle traffic selected from the group consisting of inbound Internet traffic, outbound Internet traffic, and X-Sockets traffic.

29. (Original) The system of Claim 26, further comprising at least one message store for storing said electronic messages.

30. (Original) The system of Claim 26, further comprising at least one user database containing information for at least one user of said gateway.

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31. (Original) The system of Claim 30, wherein at least one of said user databases is structured to verify user access to said gateway.

32. (Original) The system of Claim 30, wherein at least one of said user databases is structured to permit signatures to be associated with said messages.

33. (Original) The system of Claim 30, wherein at least one of said user databases is structured to receive instructions for filtering said electronic messages.

34. (Original) The system of Claim 26, further comprising at least one protocol handler for processing said electronic messages.

35. (Original) The system of Claim 26, further comprising at least one N Router machine for receiving said electronic messages in said gateway when said source is a wireless data network and transmitting said electronic messages to a recipient when said source is the Internet.

36. (Original) The system of Claim 26, further comprising at least one subsystem structured to process said messages in response to an instruction of said recipient.

37. (Original) The system of Claim 36, wherein said subsystem is selected from the group consisting of a computer subsystem, a fax machine subsystem, a database subsystem, a telephone subsystem, and a printer subsystem.

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